

淡江大學九十四學年度碩士班招生考試試題 ⁸³⁻¹

系別：機械與機電工程學系

科目：機 械 製 造

准帶項目請打「V」

簡單型計算機

本試題共 / 頁

1. List important considerations when selecting pattern materials in metal-casting process. (10%)
2. How are tubes extruded? How are they drawn? (10%)
3. What is the purpose of a draw bead in deep drawing process. (10%)
4. What is the difference between oblique and orthogonal cutting? (10%)
5. What is cermet (from ceramic and metal)? What are its advantages? (10%)
6. Why is thermal expansion of machine-tool components important? (10%)
7. What is the difference between photochemical blanking and chemical blanking? (10%)
8. What is accelerated life testing? (10%)
9. What is the importance of ISO 9000? ISO 14000? (10%)
10. List and describe the major considerations involved in selecting materials for products. (10%)